

Serial No. 10/000,443  
Amendment dated November 20, 2003  
Reply to Office Action of July 21, 2003

**Amendments to the Specification:**

Please replace paragraph [27] with the following amended paragraph:

[27] The optimal weighted vector may be calculated by the following equation (1) at the weighted vector calculating part 203.

$$\underline{w} = \left[ \sum_{k=1}^K \sigma_k \cdot \underline{a}(\theta_k) \underline{a}(\theta_k)^H + I \right]^{-1} \cdot \left[ \sum_{i=1}^L \underline{a}(\theta_i) \right] \dots\dots\dots(1)$$